**HARSHAN M V  
22PD14**

| Gender  Date of Birth  Languages known  **Email**  **Mobile**  **GitHub**  **LinkedIn** | Male  07th October 2004  English, Tamil, Hindi, Telugu  **22pd14@psgtech.ac.in**  **9486802376**  [Harshan M V](https://github.com/Harshan-14)  [Harshan](http://linkedin.com/in/harshan-m-v-874805279/) M V |  |
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| **Address**  Willow 1-C, Mayflower Estates, Uzhaippalar Street, Vellakinar Village, Coimbatore, Tamil Nadu - 641029. | |

**OBJECTIVE**

To obtain a position as an intern for a period of six months from May 2025 to November 2025.

**ACADEMIC QUALIFICATION**

Currently pursuing 3rd year of 5 year Integrated M.Sc. Data Science at the Department of Applied Mathematics and Computational Sciences in PSG College of Technology, Coimbatore.

**SKILL SET**

| Languages | Python, C++, SQL |
| --- | --- |
| Libraries | NumPy, Matplotlib, Flask, PyTorch, Qiskit |
| 1. Tools | Oracle, Power BI, Spyder, Figma |

**AREAS OF INTEREST**

| * Statistics * Data Analytics and Visualization | * Supervised and Unsupervised learning |
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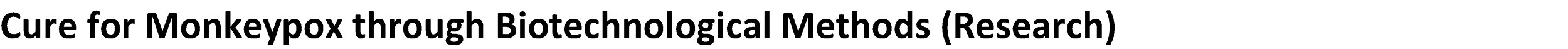
**ACADEMIC RECORD**

| * **M.Sc. Data Science**   PSG College of Technology, Coimbatore | *2022-2027* **8.40 CGPA** |  |
| --- | --- | --- |
| * **XII (Higher secondary, CBSE)** Emerald Valley Public School, Salem | *2022* **90.40 %** |  |
| * **X (SSLC, CBSE)** Emerald Valley Public School, Salem | *2020*  **89.00 %** |  |

**INDUSTRY-BASED PROJECT EXPERIENCE**

* **Cloud Desk** | Data Science Intern *(May 2024-June 2024)*  
  Gained valuable insights on project management and collaborative workflow in the corporate environment. Furthermore, I had worked with technologies of Power BI and **Oracle SQL**. Designed an **interactive power BI report** for the company. Furthermore, I also got a pragmatic experience on data preprocessing.

**NON-ACADEMIC PROJECTS**

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  Researching a cure for the Monkeypox virus using computational techniques on Tinospora Cordifolia. Utilizing databases like **Swiss Target Prediction, DDBJ, and NCBI**, along with **graph theory** concepts, to identify the most influential gene through centrality measures. The goal is to map gene interactions and determine the optimal target for phytochemical action.

**ACADEMIC PROJECTS**

* [**Quantum Computing**](https://github.com/Harshan-14/Quantum-Computing)

Analyzed the means to encode the information using qubits of the quantum circuits by leveraging the modules provided in the **IBM’s qiskit library**. The image compression was done by passing the qubits inside the encoding quantum circuit via the bottleneck layer. Cost function was calculated using the swap test and the **qiskit.quantum\_info’s Statevector** was used for the virtual quantum interface.

* [**Lung Cancer Analysis**](https://github.com/Harshan-14/Lung-Cancer-Analysis):

The project focuses on analyzing lung cancer data using machine learning techniques. The project implements **decision trees** and other analytical methods to interpret the dataset. The primary libraries utilized in this analysis are **pandas** for data manipulation and **scikit-learn** for machine learning algorithms. The visualizations are performed using **Matplotlib**.

* [**Resource Constrained Project Scheduling Problem**](https://github.com/Harshan-14/Resource-Constrained-Project-Optimization)

The problem was solved using dynamic programming, where a completion of a project involves completing a group of tasks using **flask and matplotlib**. The probability of task completion is taken in the form of a **transition probability matrix**. We execute the tasks of the project based on the probability of completion.

* [**Archer Performance Analysis:**](https://github.com/Harshan-14/Archer_Performance_Analysis)

This python project engineered to manage data for an archery club inspired from real life functioning of the game. It has functionalities such as archer profiles, scores, and training protocols. Django is used as the web framework and uses **Oracle Database** for storage. **SQLite3** is also used for local development. **Pandas** and **numpy** are also used for data processing.

**EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS**

* Was selected as the assistant director for **Harvard University’s Model UN in Dubai**, based on my command over communication skills and my knowledge over current affairs.
* The **founder of GDMUN**, an organization aimed to make people aware of the United Nations. Participated and won a variety of Model United Nations.
* **RJ** at the PSG Community Radio 107.8 and was awarded “**The Foreign Descent**” for my English Proficiency.
* Elected as the class representative for the academic year 2022.

**DECLARATION**

I, Harshan M V, do hereby confirm that the information given above is true to the best of my knowledge.

Place: Coimbatore

Date: 17/03/2025 (Harshan M V)